<!--StartFragment-->RESULT 1
AAU78487
ID   AAU78487 standard; peptide; 7 AA.
XX
AC   AAU78487;
XX
DT   15-JUN-2007 (revised)
DT   18-JUN-2002 (first entry)
XX
DE   Smac-7 AV peptoid.
XX
KW   Apoptosis; cytostatic; apoptotic; AV peptoid; melanoma; lymphoma;
KW   Inhibitor of Apoptosis protein; IAP; procaspase-3; tumour cell;
KW   breast cancer; prostate cancer; lung cancer; pancreatic cancer; smac-7;
KW   gastric cancer; colon cancer; ovarian cancer; renal cancer; hepatoma;
KW   sarcoma; smac; second mitochondria-derived activator of caspases.
XX
OS   Synthetic.
XX
PN   WO200216402-A2.
XX
PD   28-FEB-2002.
XX
PF   23-AUG-2001; 2001WO-US041869.
XX
PR   23-AUG-2000; 2000US-00645075.
XX
PA   (TEXA) UNIV TEXAS SYSTEM.
XX
PI   Wang X, Du C;
XX
DR   WPI; 2002-280909/32.
DR   PC:NCBI; gi56554425.
DR   PC:BIND; 303866.
XX
PT   Composition for enhancing the apoptosis of pathogenic cells, particularly
PT   tumor cells, e.g. breast cancer, prostate cancer, lung cancer, colon
PT   cancer, ovarian cancer or sarcoma, comprises apoptotic compounds.
XX
PS   Example 9; Page 28; 40pp; English.
XX
CC   This invention relates to a method for induction of apoptosis in
CC   pathogenic cells. The method comprises a novel pharmaceutical composition
CC   which comprises an AV peptoid in dosage form and a pharmaceutical
CC   carrier, where the AV peptoid comprises a peptide that interacts with or
CC   inhibits the activity of an Inhibitor of Apoptosis protein (IAP) as
CC   measured by IAP binding, procaspase-3 activation or promotion of
CC   apoptosis. The peptoides of the invention are used to inhibit an
CC   inhibitor of Apoptosis protein (IAP). Compositions containing these
CC   peptoids are useful for enhancing the apoptosis of pathogenic cells,
CC   particularly tumour cells, e.g. breast cancer, prostate cancer, lung
CC   cancer, pancreatic cancer, gastric cancer, colon cancer, ovarian cancer,
CC   renal cancer, hepatoma, melanoma, lymphoma or sarcoma. The composition is
CC   particularly useful for promoting cell death. The present sequence
CC   represents an AV peptoid (smac-7) used to inhibit second mitochondria-
CC   derived activator of caspases (smac) using the method of the invention.
CC   Smac interacts with and eliminates the activity of a number of IAP's and
CC   as such inhibiting its activity allows the induction of apoptosis
CC
CC   Revised record issued on 15-JUN-2007 : Enhanced with precomputed
CC   information from BOND.

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XX
SQ   Sequence 7 AA;

  Query Match             100.0%;  Score 33;  DB 5;  Length 7;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+06;
  Matches    7;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AVPIAQK 7
              |||||||
Db          1 AVPIAQK 7
<!--EndFragment-->
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